Dec. 9, 1930. C. A. BOYER 1,784,621

FLOWER HOLDER

Filed July 22, 1929

Fig. 1.

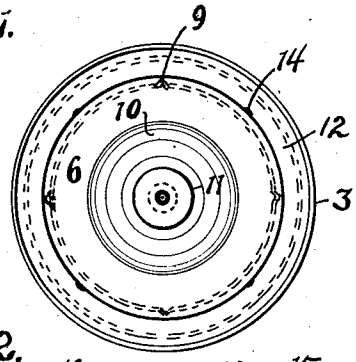


Fig. 2.

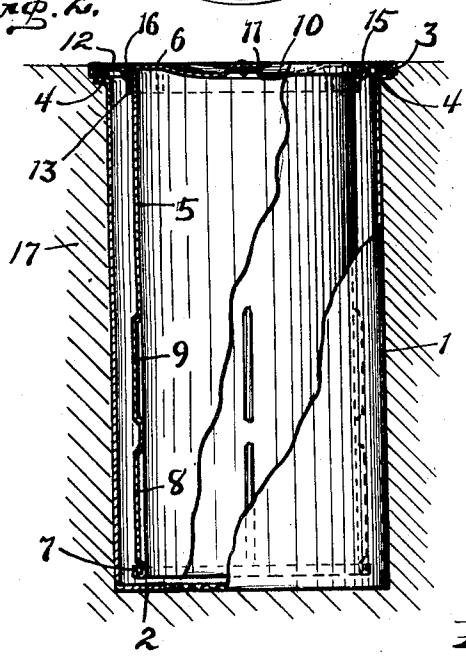


Fig. 3.

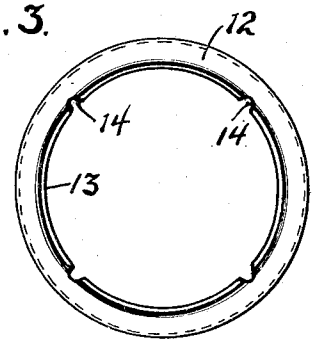


Fig. 4.

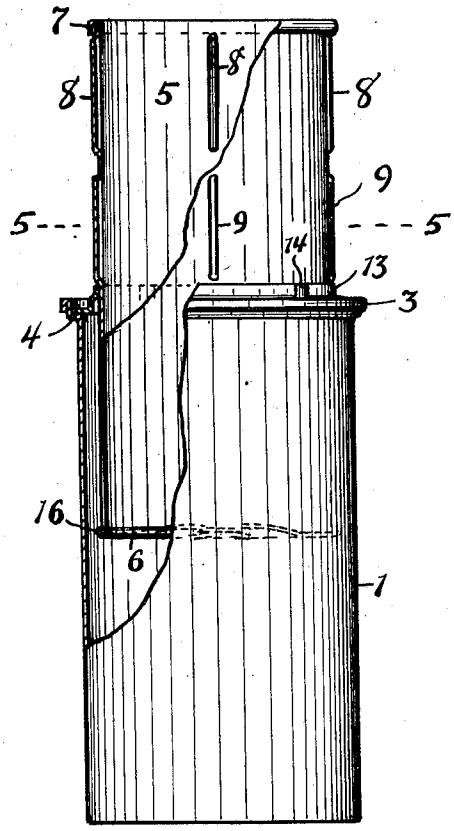
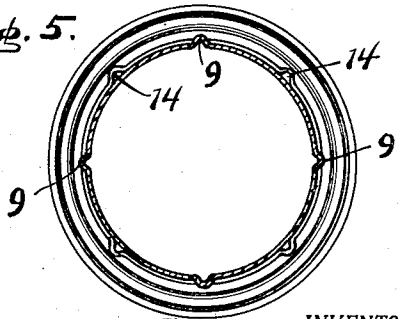


Fig. 5.



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UNITED STATES PATENT OFFICE

CHARLES AUGUSTUS BOYER, OF WINONA LAKE, INDIANA

FLOWER HOLDER

Application filed July 22, 1929. Serial No. 379,949.

This invention relates to improvements in flower holders, of that type adapted to be positioned in the ground and provided with a cup adjustably supported in elevated position. The object of the invention is to provide a receptacle for containing flowers for use especially in cemeteries, and which is so constructed that when installed and not in use will be completely closed and flush with the grade level, and when in use will afford support for flowers in a more or less elevated position above the grade level. Another object of the invention is to provide a receptacle for flowers to be imbedded in the ground, and which is so constructed as to prevent soil from washing into and filling its interior, as frequently occurs during rainstorms when ordinary imbedded receptacles are employed. A further object is to construct the device so that it may be readily opened and adjusted for use or closed without obstruction.

These objects are accomplished by the construction illustrated in the accompanying drawings, in which:—

Fig. 1 is a plan view of a flower holder embodying the invention;

Fig. 2 is an elevation of the device in closed position imbedded in the ground, portions being broken away;

Fig. 3 is a top plan view of the supporting collar;

Fig. 4 is an elevation of the device in adjusted position for use, portions being broken away; and

Fig. 5 is a transverse section of Fig. 4 on the line 5—5 thereof.

The invention consists of a cylindrical shell 1, both ends of which are open, the lower end having an internal flange 2, and its upper end having an outwardly extending portion 3 shaped to form an annular socket 4.

Within the shell is removably disposed a cup consisting of a cylinder 5, one end of which is open, and the other end of which is closed by a head 6, the open end of which cylinder has an outwardly extending annular bead 7. The cylinder 5 has upon its exterior wall an annular series of longitudinally disposed projecting ribs 8 adjacent its open end, and a second series of similar rims 9 spaced from the former series, said ribs being formed by pressing the wall of the cylinder outwardly. The head 6 of the cup has an annular depression 10 formed therein about its center and a disc 11 is riveted to said head at the center thereof, which disc overhangs the depression so that it may be grasped between the thumb and fingers readily and the cup lifted. A supporting collar 12 is provided for the cup, which collar has an internal flange 13 having an annular series of recesses 14 formed in its inner wall. The collar fits loosely about the cylinder 5 so as to have turning and longitudinal sliding movement thereon, and the recesses 14 in the flange of the collar are so located on the cylinder and correspond numerically with the ribs so as to receive said ribs and admit the passage of the ribbed portion of the cylinder through the collar when said ribs are alined with said recesses. The collar is shaped adjacent its internal flange 13 so as to provide an annular socket 15 for the reception of the perimeter 16 of the head 6, which perimeter overhangs the cylinder 5 and prevents removal of the collar from the cup. Likewise the bead 7 at the opposite end of the cylinder is of greater diameter than the bore of the collar and prevents withdrawal of the cylinder from the collar. The flange 13 of the collar and its socket 15 are of less diameter than the bore of the shell 1 so as to project into the shell when the cup is in closed position, and thus permit the outer rim of the collar to become seated in the socket 4 of the shell. The length of the cylinder 5 is such that its lower end is sustained at a point spaced from the flange 2 of the shell when the cup is in closed position and the collar is seated in the socket of the shell.

In utilizing the invention, the ground 17 is excavated for the reception of the shell 1 which is buried therein to a depth that leaves its top flush with the grade level of the ground. The outwardly extending portion 3 of the shell, and the internal flange 2 thereof bear upon the earth and prevent depression of the shell into the ground beyond is normal position when trod upon.

The collar and the head of the cup, when the cup is in closed position in the shell, are flush with the top thereof, as is also the disc 11, so that the shell is completely closed at the top without attendant obstructions to pedestrians, and operations required in trimming the lawn. When required for use, the cup, together with the collar, are lifted from the shell by pulling the disc upwardly, whereupon the cup with the collar thereon are inverted and repositioned in the shell, as illustrated in Fig. 4. The cylinder 5 being loose in the collar slides downwardly therein to an extent limited by the ribs 9 or 8 or by the head 7, which are engaged by the flange 13 of the collar, accordingly as the cylinder is adjusted in the collar. In this manner the cup may be sustained selectively in several elevated positions. The collar surrounding the cylinder of the cup and fitting snugly in the socket of the shell when the cup is in closed position, or in use, prevents inflow of soil into the shell.

What I claim is:—

1. A flower holder consisting of a shell having open ends, the lower end having an internal flange, and the upper end having an outwardly extending portion providing an annular socket; a cup consisting of a cylinder provided with a head at one end, the perimeter of which overhangs said cylinder, said cylinder having outwardly extending longitudinally disposed ribs and an outwardly projecting bead at its open end; and a collar encompassing the cylinder of the cup, and provided with recesses in its inner wall for the accommodation of said ribs when alined therewith, said collar affording support for the cup when seated in said socket and engaging said ribs, whereby the cup is sustained in elevated position.

2. A flower holder consisting of a shell; a supporting collar formed to fit in the top of the shell normally and also when inverted, and having recesses formed in its inner wall disposed longitudinally; and a cylindrical cup having a head at one end provided with an outwardly extending perimeter, that fits into and closes said collar when the cup is in inverted position, the cylindrical wall of said cup being rotatable and longitudinally movable in said collar, and being provided with outwardly projecting ribs spaced from said perimeter, which ribs rest upon the collar when out of alinement with said recesses and sustain the cup in elevated position.

3. A flower holder consisting of a shell, and a cylindrical cup having a closed bottom with an outwardly extending perimeter, the open end of the cup having an external bead, and the cylindrical wall of the cup having longitudinally extending ribs spaced from its closed end, said cup having thereon a loose collar provided with recesses in its inner wall and adapted to be seated in the top of the shell and close the top thereof about said cup, and supporting said cup in elevated position by engaging said projections when the ribs are out of alinement with said recesses.

4. A flower holder consisting of a shell, a cylindrical cup closed at one end by a head having an extending perimeter, the other end of the cup having an external bead, the cylindrical wall of said cup having several series of longitudinally disposed ribs projecting from the exterior thereof, one series of ribs being spaced from the adjacent series; and a supporting collar having recesses in its inner wall, said collar being loosely positioned upon said cup between said bead and the perimeter of said head, which bead and perimeter limit longitudinal movement of the cup in said ring, said ribs being movable through said recesses when alined therewith permitting the cup to be adjustably raised or lowered with respect to the collar, and which sustain said cup in elevated positions by engagement with said collar when out of alinement with said recesses.

5. A flower holder consisting of a cylindrical cup having an annular outwardly extending projection at each end, and spaced annular groups of longitudinally disposed ribs between the end projections of the cup, a collar encompassing the cup in which the cup has turning and longitudinal movement and with which said projections have engagement selectively whereby the cup is supported when in inverted or operating position accordingly as adjusted, said collar having recesses in its inner wall to permit movement of said ribs therethrough when alined therewith, said collar having also supporting relation with the cup by engagement selectively with said groups of ribs accordingly as the cup is adjusted in the collar, and a shell into which the cup extends and upon the top of which said collar receives support.

6. In a flower holder having a shell and an invertible cup disposed therein, and means in connection with the shell for supporting the cup in closed position, a disc secured to the bottom of the cup, the marginal portion of which overhangs and is spaced from the head of the cup, by which to lift the cup from closed position.

In testimony whereof I affix my signature.

CHARLES AUGUSTUS BOYER.